

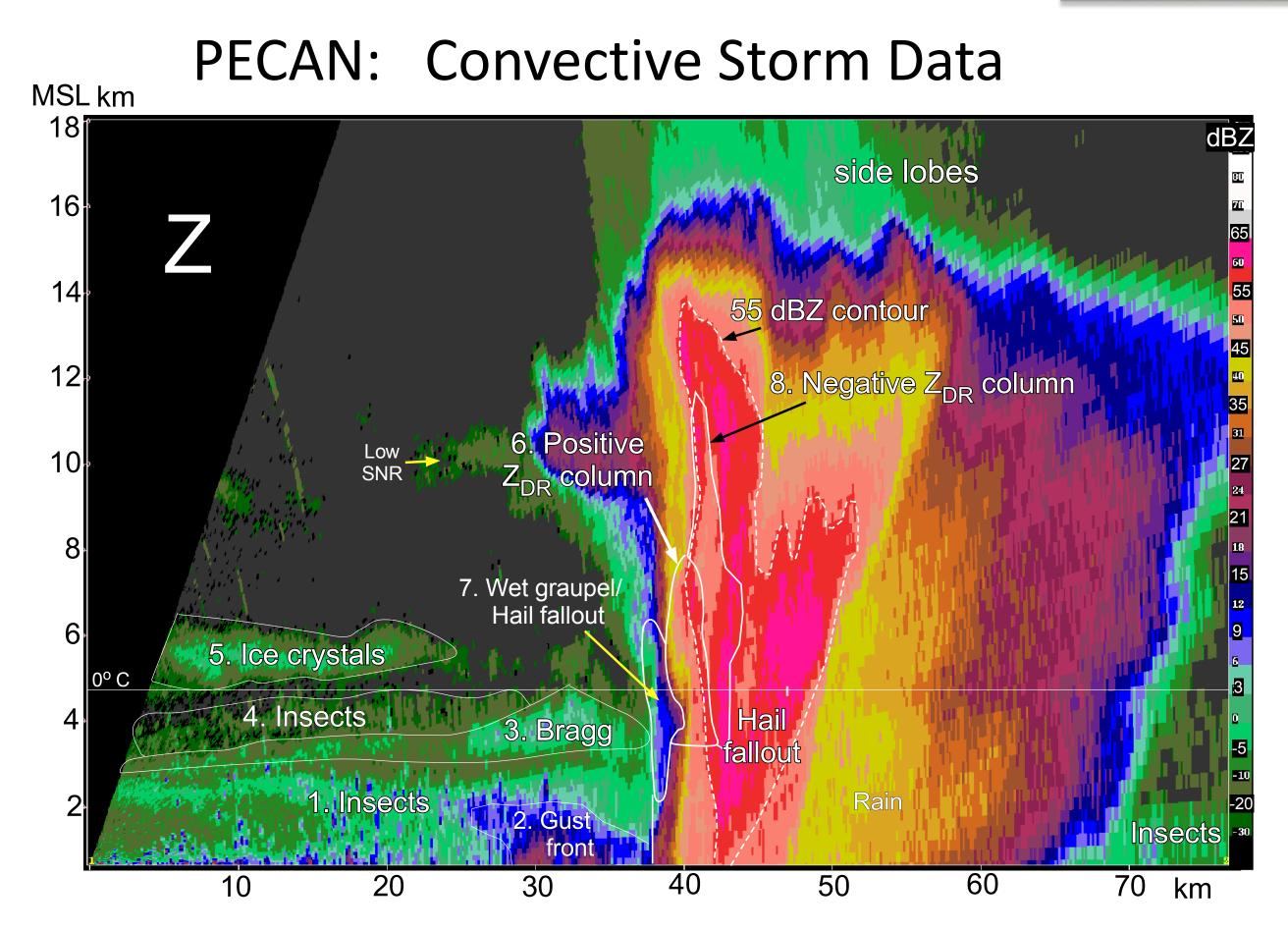
## ✓ Self-contained Design

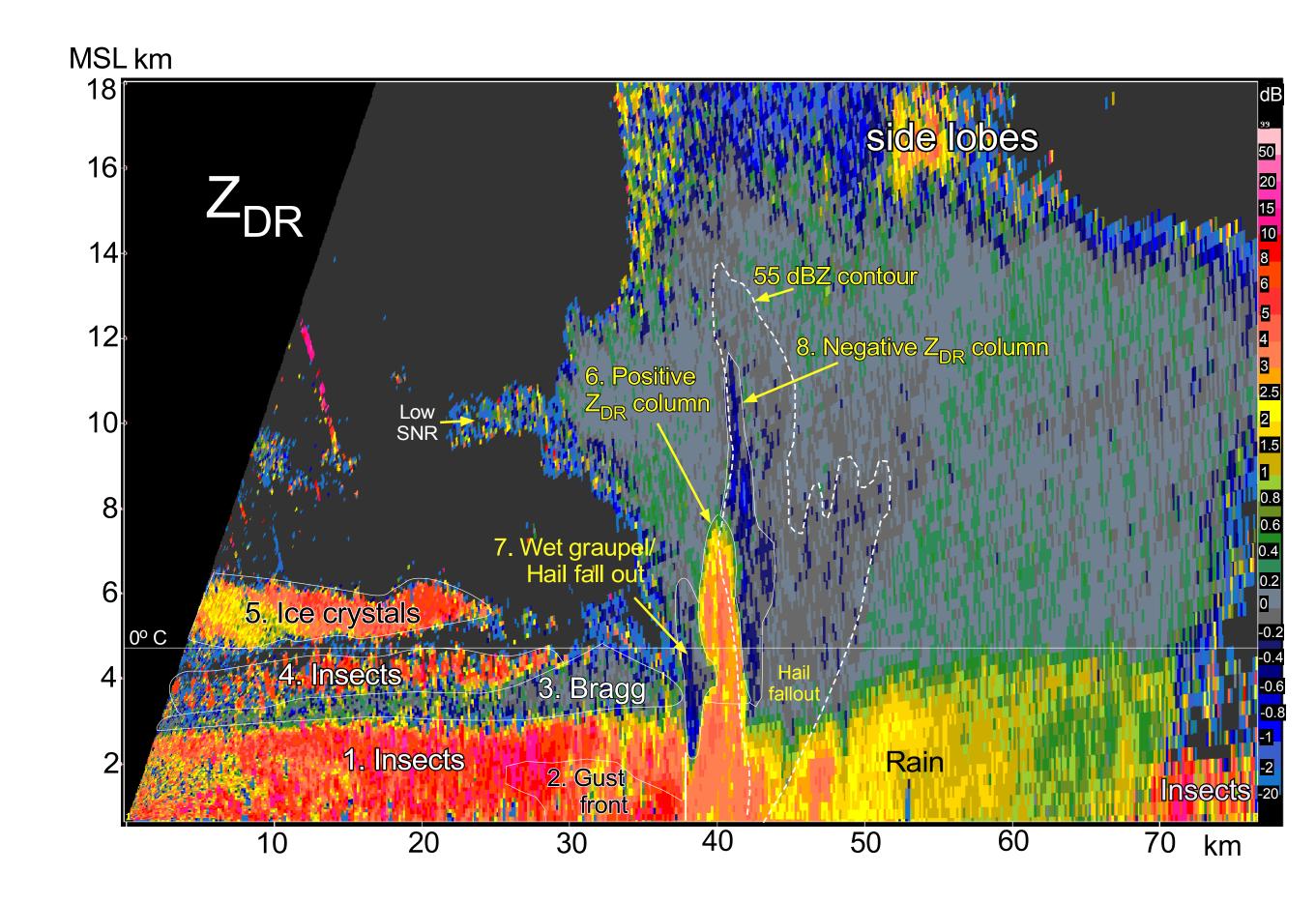
- Simplifies transport
- Minimizes site requirements
- No concrete pad
- Generator power

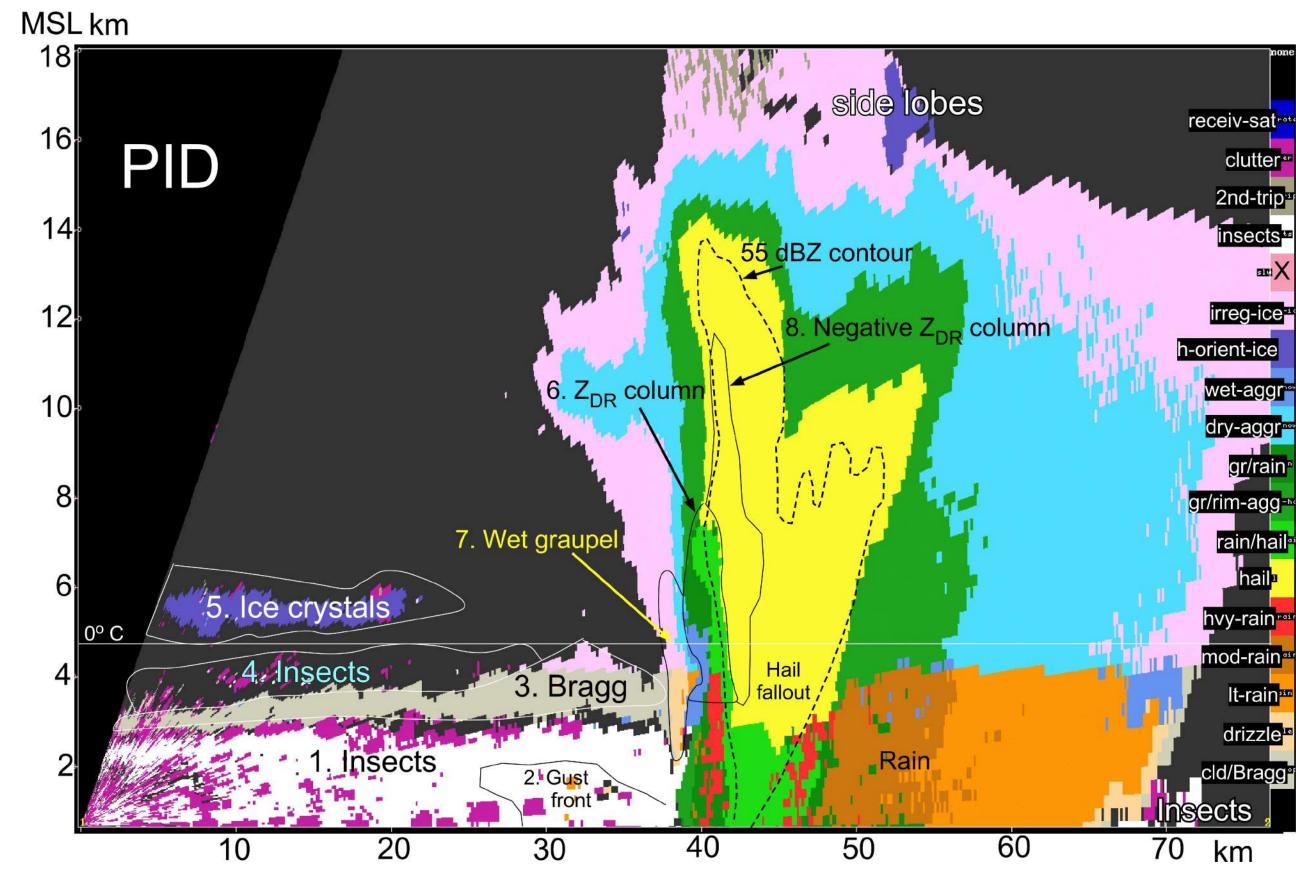
BAMS 2018 article

## Features/Advantages of S-Pol

- 1. Scan strategies controlled by the scientists in real time. RHIs routine
- 2. Fast alternating H and V transmission that eliminates the cross coupling problems of NEXRAD which broadcast simultaneous H and V polarizations
- 3. 150 meter range sampling compared to 250 meters for NEXRAD
- 4. LDR available; Low-level humidly available via refractivity measurements
- 5. Co-to-cross correlation coefficient available (canted ice crystal detection which is related to charge separation)
- 6. No Radome. Radomes are known to bias data especially when wet.
- Zuperior Zdr calibration to a tenth of a dB. (Hubbert, 2017, JTECH)
- 8. Superior data quality
- 9. EOL/LAOF support







Ice Phase Studies, 10 degree elevation

